

HW

$$\textcircled{4} \sin \theta = \frac{2\sqrt{10}}{7}$$

$$\cos \theta = \frac{3}{7}$$

$$\tan \theta = \frac{2\sqrt{10}}{3}$$

$$\textcircled{6} \sin \theta = \frac{8\sqrt{3}}{8\sqrt{6}} = \textcircled{\frac{\sqrt{2}}{2}}$$

$$\cos \theta = \frac{8\sqrt{3}}{8\sqrt{6}} = \textcircled{\frac{\sqrt{2}}{2}}$$

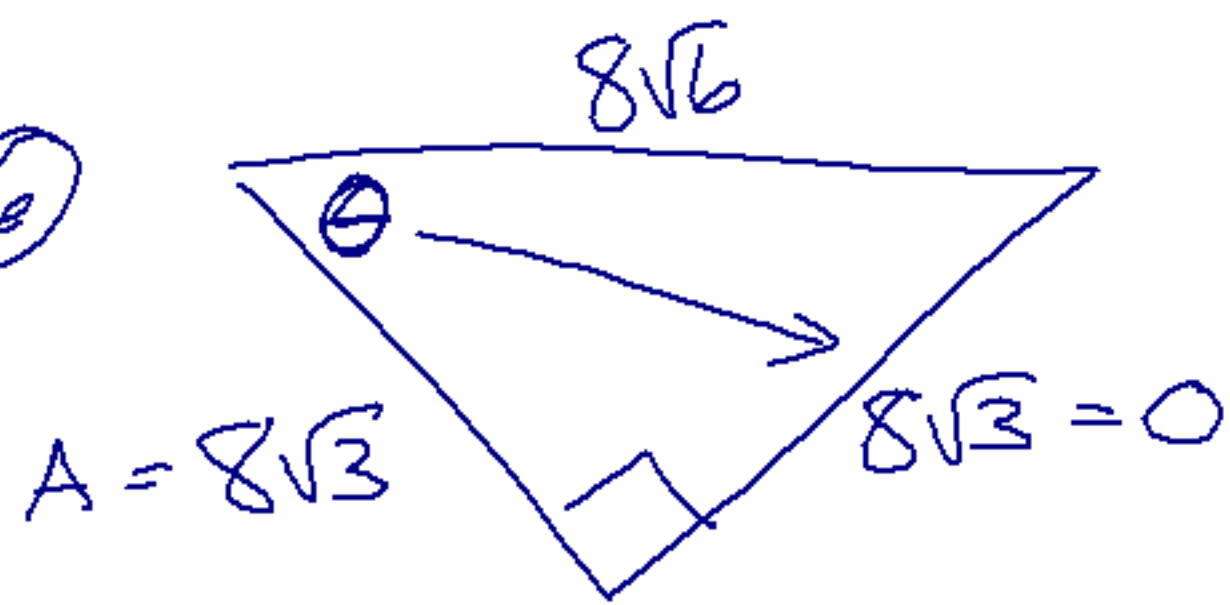
$$\tan \theta = \frac{8\sqrt{3}}{8\sqrt{3}} = \textcircled{1}$$

$$\textcircled{8} \sin \theta = \frac{12}{13}$$

$$\cos \theta = \frac{5}{13}$$

$$\tan \theta = \frac{12}{5}$$

⑥

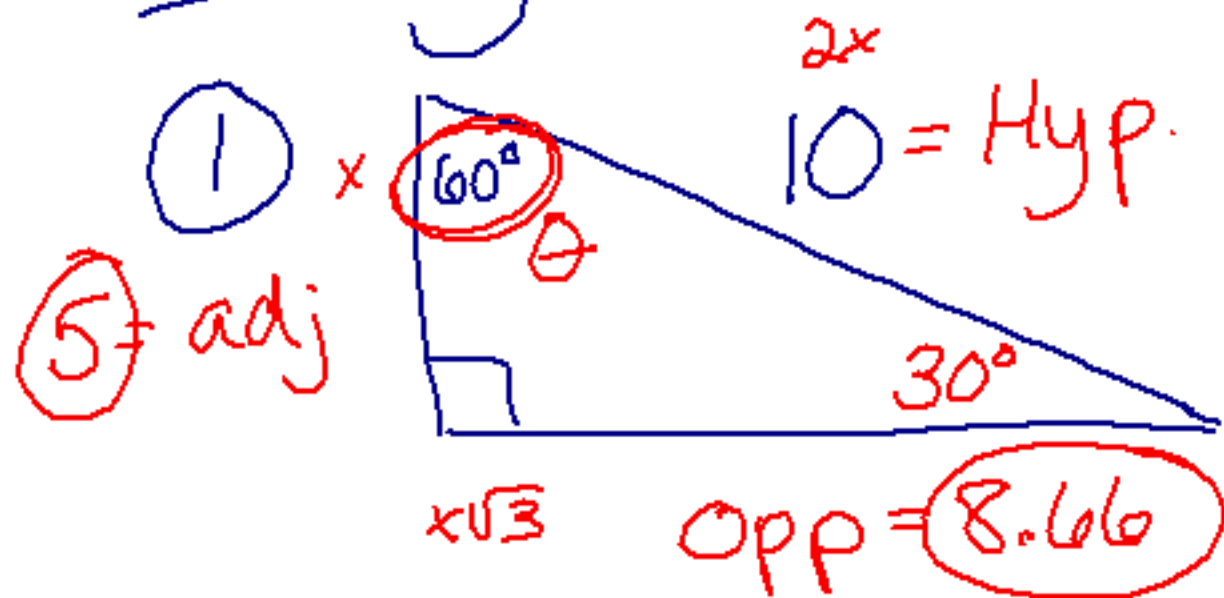


$$\sin \theta = \frac{O}{H} = \frac{8\sqrt{3}}{8\sqrt{6}} \cdot \frac{\sqrt{6}}{\sqrt{6}} = \frac{8\sqrt{18}}{8 \cdot 6}$$



$$= \frac{\sqrt{18}}{6} = \frac{3\sqrt{2}}{6} = \frac{\sqrt{2}}{2}$$

Solving Δ 's



$$\cos \theta = \frac{A}{H}$$

$$10 \cdot \cos(60^\circ) = \frac{A}{10} \cdot 10$$

$$10 \cdot \cos(60^\circ) = A$$

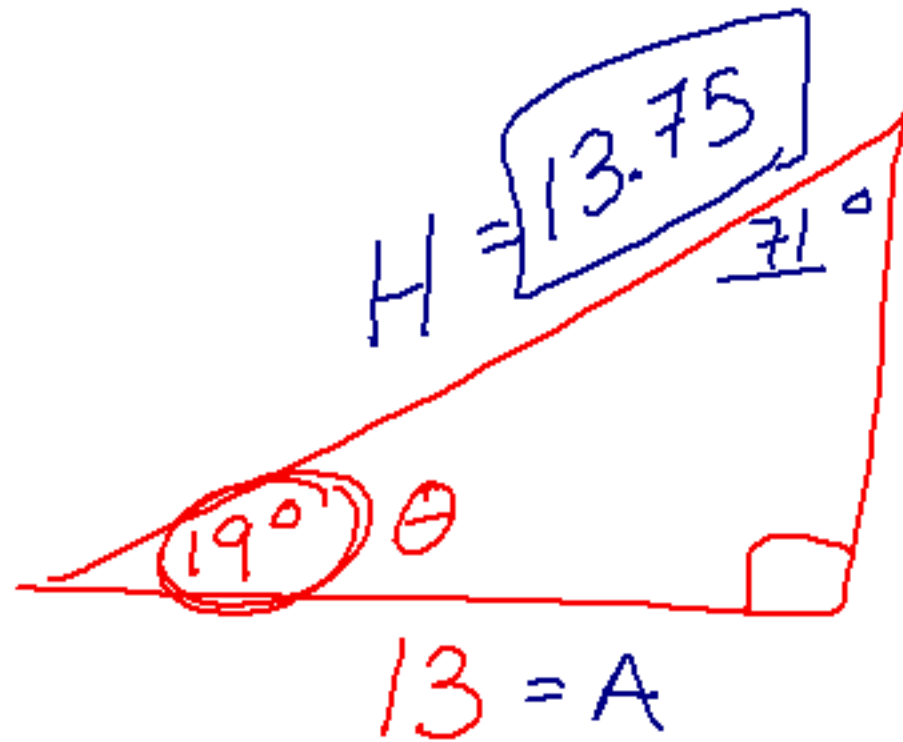
$$5 = A$$

$$10 \cdot \sin(60^\circ) = \frac{O}{10} \cdot 10$$

$$10 \cdot \sin(60) = O$$

$$(8.66) = O$$

②



$$O = 4.48$$

$$\cos \Theta = \frac{A}{H}$$

$$H \cdot \cos(19) = \frac{13}{H} \cdot H$$

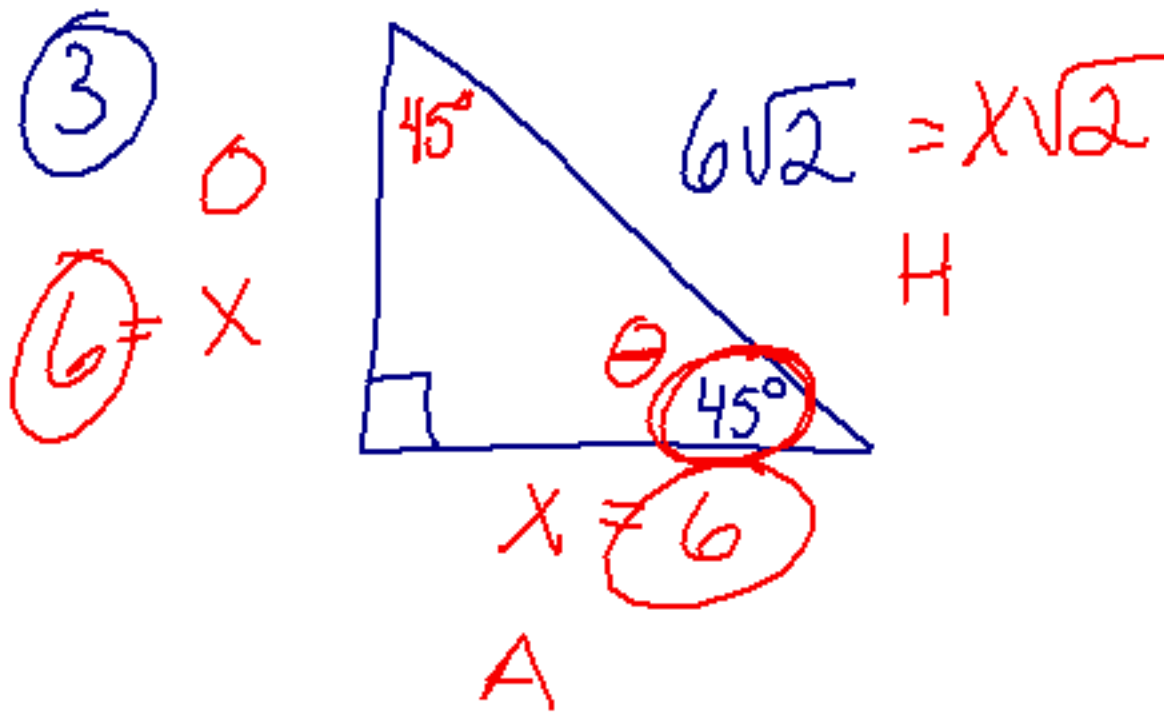
$$\frac{H \cdot \cos(19)}{\cos(19)} = \frac{13}{\cos(19)}$$

$$H = 13 / \cos(19)$$

$$13 \cdot \tan(19) = \frac{O}{13} \cdot 13$$

$$13 \cdot \tan(19) = O$$

$$4.48 = O$$



$$6\sqrt{2} \cdot \sin(45) = \frac{0}{6\sqrt{2}} \cdot 6\sqrt{2}$$

$$(6\sqrt{2}) \sin(45) = 0$$

SOH CAH TOA

- ① Is it a special Δ ?
- ② If not, then label θ ,
and O, A, H
- ③ Pick a side to solve for
Use a fc tn. that has 1 unknown &
1 known side.

